

Datasheet for ABIN7320547
IGFBP6 Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	IGFBP6
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGFBP6 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse IGFBP6/IGFBP-6 Protein (His Tag)
Sequence:	Ala26-Gly238
Characteristics:	Recombinant Mouse Insulin-Like Growth Factor-Binding Protein 6 is produced by our Mammalian expression system and the target gene encoding Ala26-Gly238 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	IGFBP6
Alternative Name:	IGFBP6/IGFBP-6 (IGFBP6 Products)
Background:	Background: Insulin-like growth factors (IGFs) comprise a family of endocrine, paracrine and autocrine polypeptides consisting of the ligands IGF1 and IGF2, two receptors (IGF1R, IGF2R),

Target Details

at least 6 IGF-binding proteins (IGFBPs) and IGFBP proteases. Among the binding proteins, IGFBP6 is unique because of its N-terminal disulfide linkages and its marked binding preference for IGF2. It is a potent inhibitor of the interaction between IGF2 and its receptor IGF1R, thus preventing major functions of IGF2, such as induction of proliferation, differentiation, cell adhesion, or colony formation. In particular, IGFBP-6 inhibited the growth of neuroblastoma and rhabdomyosarcoma xenografts. IGFBP-6 is expressed in many tissues, including lung, liver, gut and the central nervous system.

Synonym: Insulin-like growth factor-binding protein 6, IBP-6, IGF-binding protein 6, IGFBP-6, Igfbp6, IBP6, IGF binding protein 6, insulin-like growth factor-binding protein 6

Molecular Weight:	23.7 kDa
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UniProt:	P47880
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Pathways:	WNT Signaling , Myometrial Relaxation and Contraction
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Application Details

Restrictions:	For Research Use only
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Handling

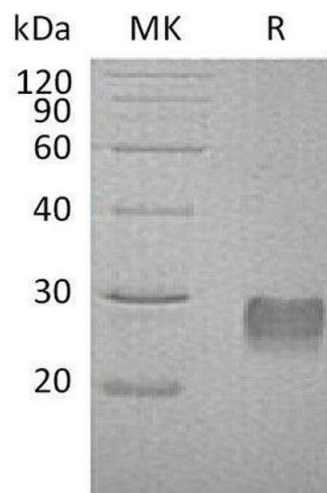
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, EDTA,DTT, pH 7.4.
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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Western Blotting

Image 1.